

SN25(X)/30/33/36/40PT

Three Phase PV Inverter/ 3 MPPTs

Safe & Reliable
 IP66 protection & C5 anti-corrosion rating
 Type II SPD, both DC & AC sides
 Built-in arc-fault circuit-interrupter

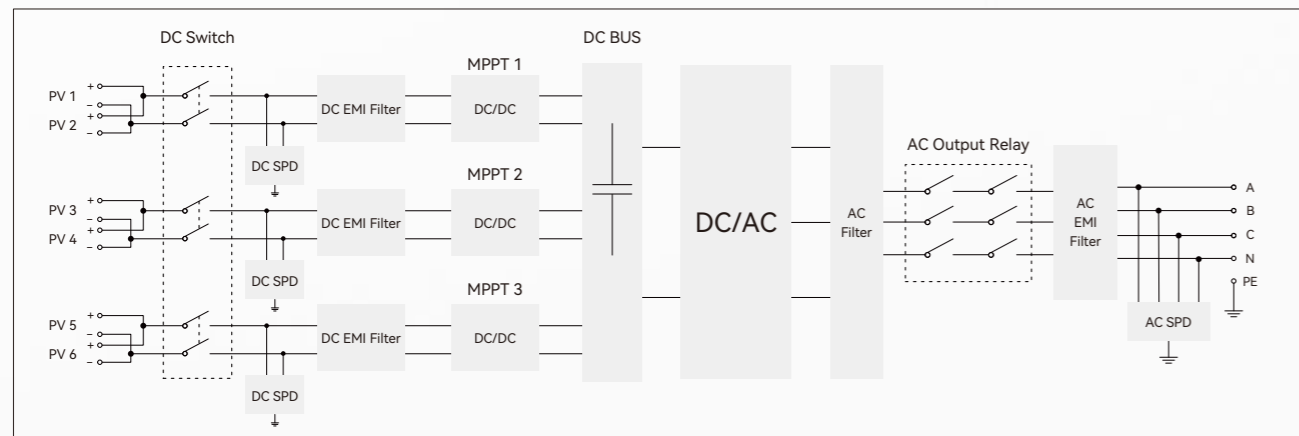
High Yield
 Built-in PID recovery function
 Compatible with bifacial PV modules
 1.1 times continuous output overload

High-Performance Management
 Accurate string current detection
 Support export power limit
 Local & remote maintenance

User-Friendly Design
 Convenient handle design
 Optional OLED screen
 Quickly set up smart monitoring via APP



Circuit Diagram



Model	SN25PT-X	SN30PT	SN33PT	SN36PT	SN40PT
Input (PV)					
Max. PV input voltage					1100V
Recommended max. PV power (STC)	37.5kWp	45kWp	49.5kWp	54kWp	60kWp
Nominal PV input voltage					620V
MPPT operating voltage range					160V~1000V
Full power MPPT voltage range					520~850V
Startup PV voltage					180V
Number of PV inputs					6 (3 MPPTs, 2/2/2)
Max. current per MPPT	32A/32A/32A	32A/32A/32A	32A/32A/32A	40A/32A/32A	40A/32A/32A
Max. short circuit current per MPPT					50A/50/50A
Output (grid)					
Nominal output power	25kW	30kW	33kW	36kW	40kW
Max. output apparent power	27.5kVA	33kVA	36.3kVA	39.6kVA	44kVA
Max. output current	39.9A	47.8A	52.6A	57.4A	63.8A
Nominal grid voltage					3L/N/PE, 230V/400V
Grid voltage range					320V~480V (According to local standards)
Nominal grid frequency					50/60Hz
Power factor range					0.8leading~0.8lagging
Harmonic (THD)					<3%
Efficiency					
Max. efficiency				98.50%	98.60%
EU efficiency				98.00%	98.10%
General data					
Display mode					LED, OLED(optional)
Communication port					RS485,WIFI/4G/Ethernet
Weight					31kg
Dimensions (W*H*D)					585*490*260mm
Max. operating altitude					4000m(>3000m derating)
Cooling method					Smart fan cooling
Humidity					0~100%
Operating temperature					-25~60°C
Protection level					IP66
Topology					Transformerless
Self-consumption at night					< 1W
Protection					
Leakage current protection					Yes
Anti-island protection					Yes
DC reverse protection					Yes
AC short circuit protection					Yes
PV string current detection					Yes
PID recovery					Yes
DC switch					Yes
Arc-fault circuit-interrupter					Yes
Surge protection					DC II/AC II
Insulation monitoring					Yes
Over-voltage protection					AC III/DC II
IEC 62109-1/2, IEC61000-6, IEC62116, IEC61683, IEC61727, IEC60068, IEC61000-3, EN50549-1, VDE4105, C10/11, VDE0126/VFR2019, CEI-0-21, BIS/CEA, PTPIREE, RD1699/UNE217001/UNE206007/NTS Type A, TOR Type A&B, ORDINANCE No.140					